

Title (en)

DECORATIVE SHEET WITH DIFFERENT BEADS IN DIFFERENT LAYERS

Title (de)

DEKORFOLIE MIT UNTERSCHIEDLICHEN KÜGELCHEN IN UNTERSCHIEDLICHEN SCHICHTEN

Title (fr)

FEUILLE DÉCORATIVE PRÉSENTANT DES BILLES DIFFÉRENTES DANS DES COUCHES DIFFÉRENTES

Publication

EP 1996356 B1 20100811 (EN)

Application

EP 07759145 A 20070322

Priority

- US 2007064667 W 20070322
- JP 2006077999 A 20060322

Abstract (en)

[origin: WO2007109763A2] A durable decorative sheet high in the ability to follow a curved surface with small appearance change by heat or elongation. A decorative sheet comprising a transparent resin film having two main surfaces, a transparent resin layer formed on the first main surface of the transparent resin film, a pattern printed layer arranged on the transparent resin layer, and a colored base film arranged on the second main surface of the transparent resin film. The transparent resin layer includes first beads, the pattern printed layer include second beads. The first beads are different from the second beads in content, color and/or particle size. The first beads and the second beads are embedded in the transparent resin layer and the pattern printed layer.

IPC 8 full level

B23B 27/20 (2006.01); **B44F 1/06** (2006.01); **C09J 7/29** (2018.01)

CPC (source: EP KR US)

B32B 3/10 (2013.01 - US); **B32B 3/263** (2013.01 - US); **B32B 3/30** (2013.01 - EP US); **B32B 7/06** (2013.01 - EP US); **B32B 7/12** (2013.01 - EP US); **B32B 27/00** (2013.01 - KR); **B32B 27/08** (2013.01 - EP US); **B32B 27/20** (2013.01 - KR); **B32B 27/304** (2013.01 - EP US); **B32B 27/36** (2013.01 - EP US); **B44C 1/1729** (2013.01 - EP US); **B44F 1/06** (2013.01 - EP KR US); **C09J 7/29** (2017.12 - EP US); **B32B 2250/24** (2013.01 - EP US); **B32B 2255/10** (2013.01 - EP US); **B32B 2255/26** (2013.01 - EP US); **B32B 2264/02** (2013.01 - EP US); **B32B 2264/025** (2013.01 - EP US); **B32B 2264/0264** (2013.01 - EP US); **B32B 2264/10** (2013.01 - EP US); **B32B 2307/4026** (2013.01 - EP US); **B32B 2307/412** (2013.01 - EP US); **B32B 2307/75** (2013.01 - EP US); **B32B 2471/00** (2013.01 - EP US); **B32B 2479/00** (2013.01 - EP US); **C09J 2301/162** (2020.08 - EP US); **Y10T 156/10** (2015.01 - EP US); **Y10T 428/14** (2015.01 - EP US); **Y10T 428/1467** (2015.01 - EP US); **Y10T 428/24612** (2015.01 - EP US); **Y10T 428/24736** (2015.01 - EP US); **Y10T 428/24901** (2015.01 - EP US)

Cited by

WO2022243772A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007109763 A2 20070927; **WO 2007109763 A3 20080417**; AT E477074 T1 20100815; BR PI0709000 A2 20110621; BR PI0709000 B1 20190115; CA 2647072 A1 20070927; CN 101405137 A 20090408; CN 101405137 B 20140625; DE 602007008375 D1 20100923; EP 1996356 A2 20081203; EP 1996356 B1 20100811; JP 2007253370 A 20071004; JP 4878884 B2 20120215; KR 101495360 B1 20150224; KR 20080106274 A 20081204; US 10328657 B2 20190625; US 2010166997 A1 20100701; US 2013216754 A1 20130822; US 8404073 B2 20130326

DOCDB simple family (application)

US 2007064667 W 20070322; AT 07759145 T 20070322; BR PI0709000 A 20070322; CA 2647072 A 20070322; CN 200780010065 A 20070322; DE 602007008375 T 20070322; EP 07759145 A 20070322; JP 2006077999 A 20060322; KR 20087023028 A 20070322; US 201313847179 A 20130319; US 29356507 A 20070322